

AKHMEROV, U.Sh.

Muscular chronaxy in patients with cerebral hemiplegia of
vascular origin. Zhur. nerv. i psikh. 60 no. 12:1598-1601
'60. (MIRA 14:4)

1. Kafedra nervnykh bolezney (zav. - prof. I.I. Rusetskiy)
Kazanskogo instituta usovershenstvovaniya vrachey.
(PARALYSIS) (APOPLEXY)

AKHMEROV, U.Sh.

Chronaximetric analysis of cortical neurodynamics in cerebral hemiparesis of vascular origin. Zhur.nevr. i psikh. 62 no.12: 1793-1798 '62. (MIRA 16:11)

1. Kafedra nervnykh bolezney Kazanskogo instituta usovershenstvovaniya vrachey.

*

AKHMEROV, U.Sh., dotsent (Kazan')

Time factor in a solitary nerve impulse. Kaz.med.zhur.
no.3:87 My-Je '63. (MIRA 16:9)
(CHRONAXIA)

Akhmerov, U. Sh.

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71159

Author : Akhmerov, U.Sh.

Inst :

Title : Chronaxymetric Analysis of Dynamics of Human Cortical Processes.

Orig Pub : Zh. Vyssh. nervn. Deyat--sti, 1956, 6, No 3, 365-369

Abstract : The author shows in several tests that the study of dynamics of muscular chronaxy on excitation of exteroceptors in relation with findings in anamnesis and with clinical observations helps to clarify the specificity of human higher nervous action.

Card 1/1

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AKHMEROV, V. Z.

GURTOVOY, B.L., dots.; AKHMEROV, V.Z., ordinator

~~Bohlen's test in gynecological diseases.~~ Akush.i gin. 33 no.4:
74-79 J1-Ag '57. (MIRA 10:11)

1. Iz kafedry akusherstva i ginekologii (zav. - zaslushenny
deyatel' nauki Tadzhikskoy SSR prof. L.Ye.Gurtovoy) Stalinabadakogo
meditsinskogo instituta.

(GYNECOLOGICAL DISEASES, diag.

Bolen's test in cancer & in non-neoplastic dis.)

AKHMEROVA, A.A.

Reaction of lung tissue following experimental introduction of
dusts containing mercury and tungsten. Med.zhur.Uzb. no.6:
54-56 Je '58. (MIRA 13:6)

1. Iz Uzbekskogo nauchno-issledovatel'skogo sanitarnogo insti-
tuta (direktor - dotsent A.Z. Zakhidov).
(LUNGS--DUST DISEASES) (MERCURY--PHYSIOLOGICAL EFFECT)
(TUNGSTEN--PHYSIOLOGICAL EFFECT)

AKHMEROVA, A. A.; VENGERSAKYA, Kh. Ya.; DEMIDENKO, N. M.; LYUBETSKIY, Kh. Z.;
NASYROVA, V. Ye.; SMETANIN, N. I.; SHRAYBER, L. B.; ARNOL'DI, I. A.

"Problems of toxicology of certain new insectofungicides used
in cotton growing."

report submitted at the 13th All-Union Congress of Hygienists,
Epidemiologists and Infectionists, 1959.

AKHMEROVA, A.A., nauchnyy sotrudnik

Effect of dusts of a mixed composition. Bor'ba s sil. 5:304-312
'62. (MIRA 16:5)

1. Uzbekskiy nauchno-issledovatel'skiy institut gigiyeny,
sanitarii i professional'nykh zabolevaniy.
(DUST—PHYSIOLOGICAL EFFECT)

AKHMEKOVA, R.R.

Immediate and late results of the treatment of trichomycoses
with epilin plaster. Vest. derm. i ven. 37 no.6:41-42 Je '63.
(MIRA 17:6)

1. Ufinskaya respublikanskaya koznno-gribkovaya bol'nitsa (glavnyy
vrach M. Kh. Malyshev; nauchnyy konsul'tant G.E. Shinskiy).

L 34130-66 EWT(m)/EWP(j) RM

ACC NR: AP6025539

SOURCE CODE: UR/0079/66/036/001/0161/0162

AUTHOR: Pudovik, A. N.; Ishmayeva, E. A.; Akhmerova, R. S.; Aladzheva, I. M. 44

ORG: Kazan' State University im. V. I. Ul'yanov-Lenin (Kazanskiy gosudarstvennyy universitet) B

TITLE: Addition of nucleophilic reagents to 2,3-di(diethylphosphone)-butadiene-1,3

SOURCE: Zhurnal obshchey khimii, v. 36, no. 1, 1966, 161-162

TOPIC TAGS: phosphorus acid, phosphorus compound, exothermic reaction, IR spectrum, potassium compound

ABSTRACT: The addition of nucleophilic reagents: dimethyl- and diethyl-phosphorous acids, ethyl mercaptan, and diethylamine to butadiene was found to proceed in the presence of alcoholates of the alkali metals. Addition proceeds exothermally in the 1,2-position. 1-Dimethylphosphone-2,3-di(diethylphosphone)butene-3, 1,2,3-tri(diethylphosphone)butene-3, 1-mercapto-ethyl-2,3-di(diethylphosphone)butene-3, and 1-diethylamino-2,3-di(diethylphosphone)butene-3 were synthesized; their structures were established by study of their infrared spectra and oxidation with potassium permanganate.

[JPRS: 35,998]

SUB CODE: 07, 20 / SUBM DATE: 21Apr65 / ORIG REF: 001

Card 1/1 *So*

UDC: 547.26'118

09/6 092.7

USSR / Pharmacology, Toxicology. Analeptics.

V

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85134.

Author : Sinovich, V. A., Akhmerova, Z. V.

Inst : Not given.

Title : The Influence of Chinese Lemon on the Visual Functions in Normal and Pathological States.

Orig Pub: In the collection, Materialy k izuch. zhen'shenya i limonnika, No 3, Leningrad, 1958, 177-180.

Abstract: Studies were made of the influence of ground lemon seeds (L) given orally in a dose of 3 gm, on visual acuity and on the visual field. 20 normal subjects and 26 patients with pathology of the visual apparatus were studied. The visual acuity was tested with the Shevelev chart, and the visual field was measured on a projection perimeter under constant artificial illumination. In the majority of cases

Card 1/2

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I 24736-66 EMT(1)/T JK
ACC NR: AP6015519

SOURCE CODE: UR/04.04/65/000/005/0056/0063

AUTHOR: Akhmetbekova, R. T.

ORG: none

TITLE: Effect of temperature and humidity on the development of *Ornithodoros papillipes* Virula 1895 ticks

SOURCE: AN KazSSR. Izvestiya. Seriya biologicheskikh nauk, no. 5, 1965, 56-63

TOPIC TAGS: brucellosis, Q fever, equine encephalomyelitis, insect control, entomology

ABSTRACT: The object of the experiments described in this article was to determine the effect of temperature and humidity on the propagation and development of the *Ornithodoros papillipes* ticks. These ticks are widely distributed in Turkmenia, Tadzhikistan, Uzbekistan, Kirgizia, and South Kazakhstan. They are carriers of tick-borne recurrent typhus and contribute to the maintenance of foci or brucellosis, equine encephalomyelitis, and Q-fever. Combined test tubes prepared by placing a small test tube made of tubing into a larger test tube were used in the experiments. Different relative humidity conditions were created by the use of the following chemicals: potassium hydroxide in a dilution of 15:100; saturated solutions of sodium chloride, glucose, magnesium chloride, zinc chloride, and distilled water. Semigrown ticks gathered from the caves of the Chu-Iliysk mountains and fed on guinea pigs under laboratory conditions were used. One pair of

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UDC: 595.42

L 24736-66

ACC NR: AP6015519

ticks -- a male and a female -- were placed in each of the combined test tubes. Four combined test tubes were used for each of the created humidities. Different temperature conditions were maintained. Laboratory observations determined the effect of temperature and humidity on oviposition and development of the tick larvae and nymphs. The experiments established that *Ornithodoros papillipes* ticks survive a temperature of 11.5°C ; they do not, however, lay any eggs, and their larvae and nymphs do not develop; at a temperature of 37°C the ticks do not lay any eggs and perish; humidities in the range of 10 to 34 percent negatively affect oviposition, although nymphs can pass over into the next stage of development under these conditions; an optimal temperature of $25-28^{\circ}\text{C}$ at humidity conditions of the air within the range of 55-90 percent may be regarded as being favorable to the development of the ticks; although oviposition is of a seasonal character, it can also occur during the winter period if laboratory conditions favorable for oviposition are created; air humidity can affect the rate of metamorphosis and the number of the nymph stages which precede the appearance of the semigrown ticks; high humidity at certain temperature conditions -- $21 \pm 1^{\circ}\text{C}$ -- retard the appearance of the semigrown ticks, while low humidity hastens the development of the ticks by reducing the number of nymph stages which precede the appearance of the parasite. Orig. art. has: 1 figure and 2 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 012 / OTH REF: 001

Card 2/2 *MAS*

L 15686-63

EWP(q)/EWT(m)/BDS AFPTC/ASD JD

ACCESSION NR: AR3003591

S/0081/63/000/008/0454/0454

SOURCE: RZh. Khimiya, Abs. 8K70

AUTHOR: Akhmetchet, Zh. N.

TITLE: An increase in the coatability of steel through a method of surface treatment

CITED SOURCE: Sb. Emalirovaniye metallov. Kiyev, Gos. izd-vo tekhn. lit. UkrSSR, 1962, 58-63

TOPIC TAGS: steel coating, coating

TRANSLATION: In order to increase the quality of coated metallic products, intermediate coatings were tried out (Cr, Cu, Ni, parkerizing, oxide coating with F, etc.), which satisfied the following requirements: the absence of the evolution of gas in the process of reaction with the primed melt; firm adhesion with the prime and metal; good wettability with the primed melt and the possibility of partial solution in it; sufficient porosity, guaranteeing the free release of gases from the inner layers of the metal. It was determined that all of the indicated intermediate coatings could be used under industrial conditions

Card 1/2

L 15686-63

ACCESSION NR: AR3003591

in order to increase the quality of the products. The choice of a coating is determined by purpose and dimensions of the objects being coated. It was noted that the best intermediate coating is a phosphate coating. Bibliography of titles. N. Popova

DATE ACQ: 12Jun63

SUB CODE: CH,ML

ENCL: 00

Card 2/2

AKHMETBEKOVA, R.T.

Effect of temperature and moisture on the development of
Ornithodoros papillipes Birula, 1895. Izv. AN Kazakh. SSR.
Ser. biol. nauk 3 no.5:56-63 S-O '65. (MIRA 18:11)

USSR / Human and Animal Physiology (Normal and Patho- T
logical). Blood. Blood Pressure. Hypertonia

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97534

Author : Akhmeteli, G. S.

Inst : Not given

Title : Functional Changes in the Cerebral Cortex and
Some Biochemical Displacements (in Blood and Liver)
by Experimental Commotio-Contusional Hypertension.

AKHMETELI, G. S. Cand Med Sci -- (diss) ~~"The~~ Functional State of
the Cerebral Cortex and Certain Biochemical Shifts (in Blood and
Liver) During Experimental Commotion-Contusion Hypertension."
Tbilisi, 1957. 11 pp 22 cm. (Tbilisi State Medical Inst), 100 copies
(KL, 25-57, 117)

~~120~~
122

STEPUN, O.A., [deceased], LOMAURO, A.I., AKHMETELI, G.S., CHIKVAIDZE, V.N.,
(Tbilisi)

Further data on biochemical properties of renin in the normal kidney
and of renol, the pressor substance of rabbits kidney ischemized in vivo
and of kidney autolyzed in vitro. Arkh.pat. 18 no.2:52-57 (MIRA 11:10)

1. Iz otdela patokhimii (zav. - prof. O.A. Stepun) Instituta klinicheskoy
i eksperimental'noy kardiologii A.N. GruzSSR (dir. - deystvitel'nyy
chlen AN GruzSSR, prof. M.D. TSinamzdarishvili).

(PROTEASES,

renin, differentiation from renol, pressor substance from
kidney ischemia in vivo & kidney after autolysis in vitro
(Rus))

(KIDNEYS,

isolation of pressor substance renol in ischemia in vivo
& after autolysis in vitro (Rus))

(BLOOD PRESSURE, effect of drugs on,

pressor substance renol isolated from kidneys in ischemia
in vivo & after autolysis in vitro (Rus))

AKHMETELI, Guram Semenovitch; MOROZ, B.B., red.

[Materials on the pathogenesis of myocardial necroses] Materialy k patogenezu nekrozov miokarda. Tbilisi, Izd-vo AN Gruz.SSR, 1963. 100 p. (MIRA 17:5)

KOBIASHVILI, I.G.; AKHMETELI, G.S.; KURDIANI, N.A.

Study of capillary permeability in relation to radioactive
iodine in atherosclerosis. Trudy Inst. klin. i eksper. kard.
AN Gruz. SSR 8:57-60 '63. (MIRA 17:7)

1. Institut kardiologii AN GruzSSR, Tbilisi.

AKHMETELI, G.S.

Some hemodynamic indices in radiation sickness caused by disorders
in cortical dynamics. Trudy Inst. klin. i eksper. kard. AN Gruz.
SSR 8:499-502 '63. (MIRA 17:7)

1. Institut kardiologii AN GruzSSR, Tbilisi.

AKHMETELI, G.S.

X-ray irradiation as a stress factor in the pathogenesis of myocardial necroses. Pat. fiziol. i eksp. terap. 8 no.5:24-27 S-0 '64. (MIRA 18:12)

1. Otdel radiologii (zav. - prof. I.G.Kobiashvili) Instituta klinicheskoy i eksperimental'noy kardiologii imeni M.D. TSinamzgvashvili (direktor - prof. I.V.Dzhavakhishvili) AN Gruzinskoy SSR, Tbilisi. Submitted May 3, 1963.

MIKHAYLOV, A.M.; AKHMETOV, G.Sh.

Surface alloying of steel castings. Izv. vys. ucheb. zav.; chern. met.
8 no.7:175-179 '65. (MIRA 18:7)

1. Moskovskiy institut stali i splavov.

AKHMETELI, L. I.

DZHIKADZE, N. V.; KIGURADZE, Ye. Sh.; AKHMETELI, L. I.

Approximate norms of the composition of peripheral blood and bone marrow in experimental dogs. Soob. AN Gruz. SSR 15 no.10:693-699 (MIRA 8:9) '54.

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy khirurgii i gematologii, Tbilisi. Predstavleno deystvitel'nym chlenom Akademii K.D. Eristavi.
(Blood--Analysis and chemistry) (Marrow)

AKHMETELI, L.I.; GZIRISHVILI, G.A.

Micromorphological changes in kidneys following bilateral vagotomy.
Soob.AN Gruz.SSR. 17 no.5:451-454 '56. (MIRA 9:9)

1.Akademiya nauk Gruzinskoy SSR, Institut eksperimenta'noy i klini-
cheskoy khirurgii i gematologii, Tbilisi. Predstavleno akademikom
K.D.Eristavi.

(KIDNEYS) (VAGUS NERVE)

AKHMETELI, M. N.

BREGADZE, A. N.; AKHMETELI, M. N.

Formation of a defense reflex in guinea pigs [in Georgian with
summary in Russian]. Trudy Inst. fiziol. AN Gruz. SSR 9:61-71
'53. (MIRA 8:9)

(Conditioned response) (Pain)

AKHMETELI, I. A.

3
Creatinuria in women post-partum. A. D. Braun, T. A. Akhmeteli, and N. I. Mirovich (Inst. Obstet. and Gynecol., Acad. Med. Sci. U.S.S.R., Leningrad). *Foprosy Med. Khim.* 2, No. 1, 64-8 (1953).—Of 104 women observed post-partum, 70 showed creatinuria; this was tabulated by age, parity, and duration of labor. The authors conclude that it is an indicator of disturbed metabolism. Cyrus C. Surgis, Jr.

AKHMETELI, T.I.; KANDELAKI, D.I.

Problems of fat excretion in the urine caused by fat embolism. Seeb.
AN Gruz.SSR 17 no.4:351-357 '56. (MIRA 9:9)

1.Akademiya nauk Gruzinskey SSR, Institut eksperimental'noy i klini-
cheskey khirurgii i gematologii, Tbilisi. Predstavlene akademikem
K.D.Kristavi.

(EMBOLISM)

USSR/Human and Animal Physiology

Abs Jour : Ref Zhur - Biol, No 7, 1958, 31685

Author : Akhmeteli, T.I.

Inst : -

Title : Electrocardiograph Changes During Experimental Prolonged Fatty Embolism.

Orig Pub : Soobshch. AN GruzSSR, 1956, 17, No 10, 945-950

Abstract : Fatty embolism was caused in 12 rabbits by slowly introducing a small quantity of sterile rabbit fat in the vein. With the introduction of small doses each 24 hours, the lives of the animals were preserved up to 3-35 days. ECG were registered in standard readings. During the marked course of embolism, the changes went on during the 1-2nd introduction of fat, but with the introduction of very small doses - through 19-20 days. The sharpest changes were noted before the death of the animal. In the beginning, the pulse rate and systolic index increased,

Card 1/2

T-5

1957 - Blood Circulation.

USSR/Human and

Abs Jour : Ref Zhur - Biol., No 7, 1970, -

the T₁-wave became high and mucronate, while the T₃-wave - negative. The ST segment was displaced down in I degree and up to III degree readings. Proceeding from the Weissbein conception, the author proposes that the absence of changes in the II degree can be deffection reading used as a differential diagnostic between embolism of the pulmonary artery and infarct of the miocardia. The ECG characteristics are registered not only for fatty embolism, but also for the hypoxia of the miocardia connected with difficulty of gaseous exchange in the lungs and with local disorders of circulation in the cardiac muscle due to obstruction of vessels. With such a form of embolism, the pulmo-coronary reflex has second-degree value.

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AKHMETELI, T. I., Cand Med Sci -- (diss) ^{On} "Concerning the ^{problem} ~~question~~
~~of retarded death from adipose embolism~~ ^{during} ~~embolism~~ ~~experimental~~
embolism (Experimental ^{study} ~~research~~)." Tbilisi, 1957. 18 pp. (Tbi-
lisi State Med Inst), 200 copies. (KL, 9-58, 122)

- 127 -

AKHMETELI T.I

AKHMETELI, T.I.; KANDELAKI, D.I.

Hemodynamic shifts in fatal experimental fat embolism. Soob. AN
Gruz. SSR 19 no.1:93-99 J1 '57. (MIRA 10:12)

1. AN GruzSSR, Institut eksperimental'noy i klinicheskoy khirurgii
i gematologii, Tbilisi. Predstavleno akademikom K.D.Eristavi.
(EMBOLISM)

GABUNIYA, R.I.; AKHMETELI, T.I.; GVANTSELADZE, O.D.

Electrocardiographic changes related to the treatment of
thyrotoxicoses with radioactive iodine. Soob. An Gruz. SSR.
25 no. 4:485-488 O '60. (MIRA 14:1)

1. Akademiya nauk Gruzinskoy SSR, Institut eksperimental'noy i
khlinicheskoy khirurgii i gematologii, Tbilisi. Predstavleno
Akademirom K.D. Eristavi.

(~~HYPER~~THYROIDISM) (IODINE--ISOTOPES)
(ELECTROCARDIOGRAPHY)--

KOMAKHIDZE, M.E., prof.; AKHMETELI, T.I., kand.med.nauk

Acute gastroduodenal hemorrhages. Khirurgiia no.10:22-26 '61.

(MIRA 14:10)

1. Iz kliniki gospi'tal'noy khirurgii (zav. - prof. M.E. Komakhidze)
lechebnogo fakul'teta Tbilisskogo meditsinskogo instituta.

(DIGESTIVE ORGANS--DISEASES)

(HEMORRHAGE)

NATSVLISHVILI, G.A.; AKHMETELI, T.I.

Coronarography. Scob. AN Gruz. SSR 27 no.5:625-628 N '61.
(MIRA 15:1)

1. AN Gruzinskoy SSR, Institut eksperimental'noy i klinicheskoy
khirurgii i gematologii, Tbilisi. Predstavleno akademikom
K.D. Eristavi.

(CORONARY VESSELS)

GVANTSELADZE, O.D.; AKHMETELI, T.I.

Electrocardiographic changes in adhesive pericarditis. Trudy Inst.
eksp.i klin.khir.i gemat. AN Gruz.SSR 10:127-132 '62.

(MIRA 16:2)

(ELECTROCARDIOGRAPHY)

(PERICARDITIS)

BURDZHANADZE, O.I.; AKHMETELI, T.I.; ARSHBA, L.K.

Oxyhemometric indices in lung resection. Trudy Inst. eksp. i klin.
khir. i gemat. AN Gruz. SSR 10:143-147 '62. (MIRA 16:2)
(LUNGS—SURGERY) (BLOOD—OXYGEN CONTENT)

KOMAKHIDZE, M.E.; AKHMETELI, T.I.

Profuse ulcerous bleeding. Trudy Inst.eksp.i klin.khir.i gemat.
AN Gruz.SSR 10:183-191 '62. (MIRA 16:2)
(ALIMENTARY CANAL---ULCERS)

KOMAKHIDZE, M.E.; AKHMETELI, T.I.; BOCHORISHVILI, G.B., red.;
VOLKOVA, I.P., red.izd-va; BOKERIYA, E.B., tekhn.red.

[Clinical aspects and surgical treatment of diseases of
the stomach following previous surgical interventions] Kli-
nika i khirurgicheskoe lechenie boleznei operirovannogo zhe-
ludka. Tbilisi, Izd-vo AN Gruz.SSR, 1963. 187 p.
(MIRA 17:3)

L 1-523-65 ENT(d) Po-4/Po-4/Pg-4/Pk-4/Pl-4 IJP(c)/ASD(a)-5/SSD/AFMDC/AFTC(a)/
 (FTR/AFTC(p)/RDM(a)/SSD(dp)/ESD(c) DC S/2529/63/000/075/0070/0079
 ACCESSION NR: AT4047565 B

AUTHOR: Akhmetgaleyev, I. I.

TITLE: The construction of relay characteristics by means of the sums of typical series

SOURCE: Kazan. Aviatsonny*y institut. Trudy*, no. 75, 1963 Aviatsonny*ye pribory* i avtomaty* (Aeronautical instruments and automatic equipment), 70-79

TOPIC TAGS: aircraft automation, relay system, automatic control system A

ABSTRACT: In this article, which is almost wholly mathematical in character, an investigation of the periodic conditions of automatic control systems is made by means of the so-called relay characteristics of Ya. Z. Tsypkin. The latter are functions of two parameters: frequency ω and the time of the closed state of the contacts τ . The author essentially presents a further refinement of Tsypkin's method (Ya. Z. Tsypkin. Teoriya releyny*kh sistem avtomaticheskogo regulirovaniya, 1955), making it possible to simplify the construction of the relay characteristics. Fundamentally, the refinement consists of representing $I(\omega)$ and $I_{\tau}(\tau)$ by means of a certain number of typical series so that, when determining the relay characteristics, ready sums can be used and the construction reduced to the addition of known sums. It is shown that the introduction of the typical series concept facilitates considerably the determination of relay characteristics.

Cord 1/2

L 14533-65

ACCESSION NR: AT4047565

The author claims that the mathematical method described in this paper can also be used in the study of the spatial periodic movement of two-channel automatic control systems which contain relay elements in both channels Orig. art. has: 4 formulae plus 18 in the appendix.

ASSOCIATION: Kazanskiy aviatsionnyy institut (Kazan Aviation Institute)

SUBMITTED: 15Feb61

ENCL: 00

SUB CODE: *EC, AC*

NO REF SOV: 005

OTHER: 000

2/2

Card

L 1512-45 EAT(d)/EWT(1)/EWT(m) Po-1/Po-1/Po-1/Pk-1/P1-1 IJP(c)/RAEA(i)/
 SP(dp)/AFPR/APC(r) PC/CT
 S 2529 63 000/075/0085/0090
 ACCESSION NR: AT4047567

AUTHOR: Akhmetgaleyev, I.I.

TITLE: The investigation of the stability of two-channel systems with antisymmetrical cross coupling

SOURCE: Kazan. Aviatsonny*y Institut. Trudy*, no. 75, 1963. Aviatsonny*ye pribory* i avtomaty* (Aeronautical instruments and automatic equipment). 85-90

TOPIC TAGS: aircraft automation; control systems; control system stability; cross coupling

ABSTRACT: The author discusses the equations for the free vibrations of two-channel systems with antisymmetrical cross coupling (TSACC) and the corresponding structural diagram. The specific characteristics of such systems are analyzed, and the necessary conditions and analytic criteria of stability are determined. Dr. Nigmatov A.V. Mikhaylov, who examines the problem of the stability of two-channel systems with antisymmetrical cross coupling, was extensively cited in the literature. A. I. Nigmatov (1957), is discussed and explained in some detail. The wide use of logarithmic frequency

Card 1/2

L 15132-65

ACCESSION NR: AT4047567

characteristics (LAC and LPC), because of the simplicity of their construction, in the practice of computing automatic systems is noted, and attention is called to the fact that their direct construction for TSAUC is hindered by the fact that even elementary factors with complex coefficients are not adequate for the construction of the present

work. The problem of constructing LAC and LPC for TSAUC is investigated, and the

method of the Nyquist Method is used for the construction of LAC and LPC which enables to initiate the investigation of the quality of the transient processes in TSAUC by frequency methods. Orig. art. has: 4 figures and 7 formulae.

ASSOCIATION: Kazanskiy aviatsionnyy institut (Kazan Aviation Institute)

SUBMITTED: 05Dec61

ENCL: 00

SUB CODE: IE, AC

NO REF SOV: 006

OTHER: 001

Card 2/2

L 4195-66 EWT(d) IJP(c)

ACCESSION NR: AP5024930

UR/0376/65/001/008/1016/1026

AUTHOR: Akhmetkaliyev, T.

TITLE: Relation between stability of stochastic difference and differential equations

SOURCE: Differentsial'nyye uravneniya, v. 1, no. 8, 1965, 1016-1026

TOPIC TAGS: differential equation, probability, stability

ABSTRACT: The author considers the stochastic differential equations of perturbed motion

$$\frac{dx}{dt} = \varphi(x, \eta(t)) \quad (1)$$

and the corresponding system of stochastic difference equations

$$x_{k+1} = x_k + h\varphi(x_k, \eta_{k+1}). \quad (2)$$

Here $x = \{x^{(1)}, \dots, x^{(n)}\}$ denotes the n -dimensional vector of the coordinates $x^{(i)}$ which are equal to zero in the given unperturbed motion; $\eta(t) \in Y\{\eta^{(1)}, \dots, \eta^{(r)}, \dots\}$ is a homogeneous Markov chain with a countable number of states $\eta^{(j)}$, continuous parameter t , and passage probabilities

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L 4195-66

ACCESSION NR: AP5024930

$$p_{ij}(\Delta t) = \begin{cases} a_{ij}\Delta t + o(\Delta t), & i \neq j \\ (1 - a_{ij}\Delta t) + o(\Delta t), & i = j \end{cases} \quad (a_{ij} = \text{const}), \quad (3)$$

where $p_{ij}(\Delta t)$ is the probability of change of the values $\eta^{(i)} \rightarrow \eta^{(j)}$ in time Δt , where $|a_{ij} = \sum_{i,j} a_{ij}| o(\Delta t)|$ is an infinitely small quantity of higher order of smallness

with respect to Δt ; $\{\eta_k \in Y(\eta^{(1)}, \dots, \eta^{(n)}, \dots)\}$ is a homogeneous Markov chain with a countable number of states and discrete parameter, and

$$p_{ij}(h) = \begin{cases} a_{ij}h, & i \neq j \\ (1 - a_{ij}h), & i = j \end{cases} \quad (a_{ij} = \text{const}), \quad (4)$$

where $p_{ij}(h)$ is the probability of replacement of values with $\eta^{(i)}$ by $\eta^{(j)}$ in one step, and here also $|a_{ij} = \sum_{i,j} a_{ij}|$ h is a step of the difference equation; k is the

index of the step; $x_k = x(t_0 + kh) \equiv x(t_k)$; $\varphi = \{\varphi^{(1)}, \dots, \varphi^{(n)}\}$ is a vector-function with respect to which we assume that it is continuous in all variables and for all η satisfies Lipschitz conditions (with constant L) in each bounded region of the form

$$\{\|\eta\| < H, t > t_0, k > k_0 > 0 \quad (H < \infty)\}. \quad (5)$$

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L 4195-66

ACCESSION NR: AP5024930

(The symbol $\|x\|$ denotes the Euclidean norm of the vector x .) With respect to the right parts of the systems the author also assumes that $\varphi(0, \eta) = 0$ for all $\eta \in Y$. He proves several theorems concerning the preservation of asymptotic stability of the trivial solution with passage from the difference to the corresponding differential system. Orig. art. has: 23 formulas.

ASSOCIATION: Ural'skiy gosudarstvennyy universitet im. A. M. Gor'kogo (Ural State University)

SUBMITTED: 23Feb65

ENCL: 00

SUB CODE: MA

NO REF SOV: 007

OTHER: 000

L 26018-66 EWT(d) IJP(c) GS

ACC NR: AT6013428

SOURCE CODE: UR/0000/65/000/000/0184/0189

AUTHOR: Akhmetkaliyev, T.

ORG: none

33
B+1

TITLE: Stability of systems with random parameters

SOURCE: AN KazSSR. Sektor matematiki i mekhaniki. Issledovaniya po differentsial'nym uravneniyam i ikh primeneniyu (Research on differential equations and their application). Alma-Ata, Izd-vo Nauka, 1965, 184-189

TOPIC TAGS: probability, difference equation, parameter, Markov process, asymptotic property, vector, coordinate system, function, motion equation, bounded function

ABSTRACT: Sufficient conditions for stability with respect to probability and asymptotic stability on the whole of a system of stochastic difference equations are established. The system

$$x_{k+1} - x_k = f(x_k, \eta_{k+1}) \quad (k = 1, 2, \dots).$$

is subjected to an action in the form of a Markov chain with an even number of states. Four definitions of stability of the solution $x = 0$ of the system are considered. Theorems analogous to the theorems of the second method of Lyapunov are formulated. If for the given system there exists a positive definite function $v(x, \eta)$ that

Cord 1/2

L 26018-66

ACC NR: AT6013428

permits an infinitely small upper and an infinitely large lower bound in the domain $H = \infty$, while the first difference is a negative definite function in the domain $H = \infty$, then the solution $x = 0$ will be strongly stable on the large. Orig. art. has: 38 formulas.

SUB CODE: 12/

SUBM DATE: 23Jun65/ ORIG REF: 005

Card 2/2

2B

AKHMETKHANOVA, V.B.; GALIULLIN, B.V.

Work of sanitary posts at a collective farm. Fel'd. i akush.
28 no.6:43-45 Je'63. (MIRA 16:8)

1. Zaveduyushchaya Nurminskin fel'dshersko-akusherskim punk-
tom (for Akhmetkhanova). 2. Glavnyy vrach Baltasinskoy ra-
yonnoy bol'nitsy, Tatarskoy ASSR (for Galiullin).

(NO SUBJECT HEADINGS)

AKHMETGALIEV, I. I., Cand Tech Sci — (diss) "Concerning the theory of dual channel systems for the automatic control using asymmetric crossed connections," Kazan', 1960, 8 pp (Kazan' Aviation Institute) (KL, 37-60, 121)

AKHMETGALYEV, I.I.

S/121/61/000/001/009/009
D040/D113

AUTHOR: None given

TITLE: Dissertations

PERIODICAL: Stanki i instrument, no. 1, 1961, 41

TEXT: The following three dissertations are listed: N. M. Karelin, dissertation for the degree of Doctor at the Moskovskiy stankoinstrumental'nyy institut im. I.V.Stalina (Moscow Institute of Machine Tools and Instruments im. I.V.Stalin); "Machining parts with curved cross sections without the use of tracers"; Wang Hsin-min, dissertation for the degree of Candidate at the Institut avtomatiki i telemekhaniki AN SSSR (Institute of Automation and Telemechanics, AS USSR), "Improving the dynamic properties of continuous automatic control systems by means of a delay element filter"; I.I. Akhmetgaleyev, dissertation for the degree of Candidate at the Kazanskiy aviatsionnyy institut (Kazan' Aviation Institute), "Contribution to the theory of two-channel automatic control systems with antisymmetric cross connections". [Abstracter's note: Full translation].

Card 1/1

S/194/61/000/011/029/070
D256/D302

16.8000
AUTHOR:

Akhmetgaleyev, I.I.

TITLE:

Self-oscillations in two-channel contactor systems
of automatic control

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika,
no. 11, 1961, 43, abstract 11 V348 (Tp. Kazansk.
aviats. in-ta, 1960, no 58, 23-32)

TEXT:

The searched-for periodic motions of the contactor
elements in a system of automatic control with 2 identical channels
and anti-symmetric cross couplings were expanded in Fourier series.
The searched-for periodic parameters are: Frequency of self-oscilla-
tion $\omega = \frac{2\pi}{T}$, and the time shift τ between the rectangular succes- B

sions at the output of the contactor. For the purpose of convenien-
ce in solving the equations and inequalities expressing the condi-
tions of existence of self-oscillations $x_1(0) = 0$; $x_2(\tau) = 0$;

Card 1/2

Self-oscillations...

S/194/61/000/011/029/070
D256/D302

$\dot{x}_1(0) > 0$; $\dot{x}_2(\tau) > 0$, the characteristics of the 2-channel contact-or system are included in the consideration. It is shown that investigation of an asymptotic equilibrium of the periodic motion can be substituted by consideration of the equilibrium stability of a corresponding 2-channel system. 7 figures. 9 references. [Abstracter's note: Complete translation]

✓
B

Card 2/2

ACCESSION NR: AR4014942

S/0271/63/000/012/A030/A030

SOURCE: RZh. Avt., tel. i vysshisl. tekhnika, Abs. 12A189

AUTHOR: Akhmetgaleyev, I. I.

TITLE: A study of the stability of two-channel systems with antisymmetrical cross coupling

CITED SOURCE: Tr. Kazansk. aviats. in-ta, vytp. 75, 1963, 85-90

TOPIC TAGS: two-channel system, antisymmetrical cross coupling, Nyquist-Mikhaylov criterion

TRANSLATION: On the basis of a brief analysis, the author concludes that the best analytic criterion for the stability of two-channel systems with antisymmetrical cross coupling (TCACC) is the Nyquist-Mikhaylov criterion. The experimental determination of the frequency characteristics of TCACC may be carried out by separately taking the basic $W_0(i\omega)$ and cross coupling $W_{\Sigma}(i\omega)$ characteristics. This procedure makes it possible to avoid cumbersome computations involved in the construction of linear amplitude characteristics (LAC) and linear phase characteristics (LPC) by the usual methods. With reference to the problem to be

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ACCESSION NR: AR4014942

formulated, the Nyquist-Mikhaylov criterion is stated as follows: a closed TCACC is stable if and only if the sum of the number of integral ($\neq 2\pi$) positive revolutions of the characteristic $W_0(i\omega)$ about the point $(-1,0)$ and the characteristic $1/W_0(i\omega)$ about the point $(-1,0)$ as ω varies from $-\infty$ to $+\infty$ was equal to the m-number of right-hand roots $d(p)$. An example is given. Four illustrations. Bibliography with seven titles. V.Ya.

DATE ACQ: 09Jan64

SUB CODE: GE

ENCL: 00

Card 2/2

AKHMETGAREYEVA, S.

Device for bending mesh reinforcements. Suggested by S. Akhmetgareev.
Rats. predl. no. 41:3 '59. (MIRA 14:1)
(Reinforced concrete)

ACC NR: AF7008907

SOURCE CODE: UR/0376/66/002/009/1161/1169

AUTHOR: Akhmetkaliyev, T.

ORG: Ural State University Im. A. M. Gor'kiy (Ural'skiy gosudarstvennyy universitet)

TITLE: Stability of stochastic difference systems with continuous perturbations

SOURCE: Differentsial'nyye uravneniya, v. 2, no. 9, 1966, 1161-1169

TOPIC TAGS: approximation, perturbation, Markov process, stochastic process

SUB CODE: 12

ABSTRACT: The theory on the stability of differential equations in the first approximation and with continuous perturbations is extended to stochastic difference systems subjected to random Markov effects. The investigation is based on a modification of Lyapunov's second method.

Three systems are investigated:

1) A system described by the stochastic vector difference equation

$$x_{k+1} - x_k = [A(\eta_{k+1})x_k + Q(x_k, \eta_{k+1})]h, \quad (1)$$

where x is an n -dimensional vector of the phase coordinates of the system $\{x^{(1)}, \dots, x^{(n)}\}$; h is the period of the equation; k is the number of the period; $\eta \in Y \{\eta^{(1)}, \dots, \eta^{(r)}\}$ is the Markov probability chain with an even number of states $\eta^{(j)}$,

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UDC: 517.934

ACC NR: AP7008907

2) A stochastic system of difference equations of perturbed motion of the form

$$x_{k+1} - x_k = [A(\eta_{k+1})x_k + Q(x_k, (k+1)h, \eta_{k+1})]h, \quad (2.1)$$

where $A(\eta)$ is a matrix, and function $Q^{(1)}$ depends explicitly on k .

3) A system described by a stochastic vector difference equation of the form

$$x_{k+1} - x_k = [A(\eta_{k+1})x_k + bR_{k+1}]h, \quad (3.1)$$

where b is an n -dimensional constant vector $\{b^{(1)}, \dots, b^{(n)}\}$; and $R = \{R^{(1)}, \dots, R^{(n)}\}$ is a random vector function describing the continuous perturbation.

Theorems are stated and proved for each system.

The author thanks N.N. Krasovskiy for valuable advice and instructions.

Orig. art. has: 3 formulas. [JPRS: 39,688]

Card 2/2

AKHMETOV, A.

Forage grasses under conditions of dry-farming areas in the desert
of Dzhezkazgan. Vest. AN Kazakh. SSR 14 no.11:59-97 N '58.
(MIRA 11:12)

(Dzhezkazgan District--Grasses)

AKHMETOV, A.

Dry farming plantations of forage grasses in the desert of
Dzheshkazgan. Trudy Inst.bot.AN Kazakh.SSR 7:173-192 '59.
(MIRA 13:5)

(Dzheshkazgan--Grasses)

SAPARGALIYEV, G.S., kand. yurid.nauk; PAL'GOV, N.N., akad.; BOGATYREV, A.S.;
AFANAS'YEV, A.V., prof.; BYKOV, B.A.; SHAKHMATOV, V.F., kand. istor.
nauk; POKROVSKIY, S.N., akad.; SAVOS'KO, V.K., kand. istor. nauk;
NUSUPBEKOV, A.N., kand. istor. nauk; BAISHEV, S.B., akad.; GOROKH-
VODATSKIY, I.S., kand. istor. nauk; AKHMETOV, A., kand. istor. nauk;
RAKHIMOV, A., kand. istor. nauk; PIVEN', N.F.; CHULANOV, G.Ch., doktor
ekonom. nauk; BOROVSKIY, V.A., kand. ekonom. nauk; SYDYKOV, A.S., kand.
pedagog. nauk; ZHANGEL'DIN, T., kand. filos. nauk; KARASAYEV, L.K.;
KANAPIN, A.K., kand. istor. nauk; BELENOV, M.D., kand. ekonom. nauk;
KARYNBAYEV, S.R., kand. med. nauk; AKHMETOV, K.A.; SMIRNOVA, N.S.,
doktor filolog.nauk; SIL'CHENKO, M.S., doktor filolog. nauk; YERZA-
KOVICH, B.G., kand. iskusstvovedcheskikh nauk; RYBAKOVA, N.; MUKHTA-
ROV, A.I.; BOGATENKOVA, L.I.; KUNDAKBAYEV, B.; SIRANOV, K.S.; SHVYD-
KO, Z.A., red.; MAMTSOVA, L.B., red.; ZLOBIN, M.V., tekhn. red.

[The Soviet Kazakh Socialist Republic] Kazakhskaya Sovetskaya So-
tsialisticheskaya Respublika. Alma-Ata, Kazakhskoe gos. izd-vo,
1960. 477 p. (MIRA 14:6)

1. Akademiya nauk Kaz.SSR (for Pal'gov, Pokrovskiy, Baishev)
2. Chlen-korrespondent Akademii nauk KazSSR (for Bykov, Smirnova,
Sil'chenko)

(Kazakhstan)

AKHMETOV, A., polkovnik

New materials used in personal equipment. Tyl i snab. Sov. Voor.
Sil 21 no. 2:55-58 F '61. (MIRA 14:6)
(Uniforms, Military)

PEVZNER, S.; AKHMETOV, A.

Training specialists. Avt.transp. 42 no.1:46-47 Ja '64.
(MIRA 17:2)

1. Direktor Alma-Atinskogo uchebnogo kombinata (for Akhmetov).

SITNIKOV, I., neshtatnyy korrespondent (g.Ardatov, Mordovskoy SSR);
PERTSOV, V. (Baku); KARASIK, L. (Baku); AKHMETOV, A.

Unfolding of the struggle for the achievement of the yearly plan.
Mest.prom.i khud.promys. 4 no 2:1 F '63. (MIRA 15:2)

1. Direktor fabriki bumazhno-belovykh tovarov, Alma-Ata (for Akh-
metov).

AKHMETOV, A.; PEVZNER, S.

Constructors of a high-mountain road. Avt. dor. 28
no.11:6-7 N '65.

(MIRA 18:11)

S/119/62/000/001/008/011
D201/D302

AUTHORS: Abdrakhmanov, M.I., and Akhmetov, A.G.

TITLE: A two-position dry-air thermostat temperature controller

PERIODICAL: Priborostroyeniye, no. 1, 1962, 26

TEXT: The authors describe temperature controlling circuit using a semi-conductor temperature transducer; the circuit was developed at the SKTB MFP. The sensing element, transforming the temperature into electrical signals is the thermal resistor MMT-4, making one of the arms of a balanced bridge, the two other arms of which are composed of wire-wound resistors R_1 and R_2 , the fourth arm having wire-wound resistors R_4 (coarse) and R_3 (fine adjustment). The bridge supply is 50 c/s mains. The main advantage of the bridge is that it is practically insensitive to supply voltage changes. The output of the bridge, being inadequate to operate the switching relay of the heating system, is amplified in a 4-stage amplifier using Card 1/2

A two-position dry-air thermostat ...

S/119/62/000/001/008/011
D201/D302

pencil-type tubes type 6H2П (6N2P) and 6H1П (6N1P). The HT amplifier power supply has a bridge-type rectifier with type ДГ-424 (DG-Ts24) diodes. The first and third stages of amplification have anode decoupling. The last stage operates as a coincidence circuit, i.e. it amplifies the signal only when both anode and grid are positive. The anode load of the fourth tube is the relay РДЧГ (RDCh G). The arrangement which switches the supply to the heating arrangement and the tubes is the relay PKH(RKN). The power supply unit consists of a transformer, rectifier and filter. The transformer has the primary tapped for 127 and 220 V and secondary for 200; 110; 150; 6.3; 24 and 6 V. The 200 and 150 windings are screened from each other. The laboratory tests of the dry air thermostat Ч-450 (Ts-450) with the new temperature control have shown that while with the described circuit the basic thermostat parameters become simpler, the accuracy increases from ± 0.5 to $\pm 0.25^{\circ}\text{C}$ and the sensitivity of the transducer increases to $\pm 0.1^{\circ}\text{C}$. The life-time of the controller also increases. The control temperature range is 20 - 60°C . There is 1 figure. [Abstractor's note: Essentially a complete translation].

Card 2/2

ABDRAKHMANOV, M.I.; AKHMETOV, A.G.

On-off temperature controller for dry-air thermostats. Priborostroenie
no.1:26 Ja '62. (MIRA 15:1)

(Thermostat)

AKHMETOV, A.M.

AKHMETOV, A.M.

Methods and indications for puncture of the left ventricle of the heart. Grud. khir. 2 no.4:26-32 J1-Ag '60. (MIRA 15:6)

1. Iz pervogo khirurgicheskogo otdeleniya (zav. - prof. N.I. Krakovskiy) i rentgenovskogo otdeleniya (zav. - prof. P.N. Mazayev) Instituta khirurgii imeni A.V. Vishnevskogo (dir. - deystvitel'nyy ohlen AMN SSSR prof. A.A. Vishnevskiy) AMN SSSR. Adres avtora: Moskva, B. Serpukhovskaya ul., d.27, Institut khirurgii imeni A.V. Vishnevskogo).

(PUNCTURES (MEDICINE)

(HEART—SURGERY)

VISHNEVSKIY, A.A., prof.; GALANKIN, N.K., doktor med. nauk; ARAPOV, A.D.;
AKHMETOV, A.M.; VINITSKAYA, R.S., kand. biol. nauk; VOLYNSKIY,
Yu.D.; DARBINYAN, T.M., kand. med. nauk; DONETSKIY, D.A., kand.
med. nauk; KLEMEANOVA, Ye.S.; KUDRYAVTSEVA, A.M., kand. med. nauk;
KRYMSKIY, L.D., kand. med. nauk; LOKSHINA, K.A.; MAZAYEV, P.N., prof.; PANOVA,
Yu.M.; PROMTOVA, T.N., kand. biol. nauk; PYL'TSOV, I.M.; SERGEYEVA,
K.A., kand. med. nauk; KHARNAS, S.Sh., kand. med. nauk; KHRUSHCHEVA,
kand. med. nauk; TSUKERMAN, B.M., kand. biol. nauk; SHIK, L.L.,
prof.; GOL'DGAMMER, K.K., red.; BALDINA, N.F., tekhn. red.

[Congenital defects of the heart and large vessels] Vrozhdennye po-
roki serdtsa i krupnykh sosudov; rukovodstvo dlia vrachei. Mo-
skva, Medgiz, 1962. 577 p. (MIRA 16:1)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Vishnevskiy).

(CARDIOVASCULAR SYSTEM--DISEASES)

AKHMETOV, A.M.; RUBETSKOY, L.S. (Moskva)

Reaction of the cardiovascular system to the administration
of contrast medium into the cavity and myocardium of the
left heart ventricle. Eksp. khir. i anest. 8 no.5:13-15
S-D '63. (MIRA 17:6)

YEROFEYEV, N.P.; NUGMANOV, K.Kh.; AKHMETOV, A.R.; NURKIN, M.T.;
SEREGIN, Yu.N.

Determining the length of reinforced concrete rods and their
distribution network in the Dzhezkazgan mines. Trudy Inst.
gor. dela AN Kazakh. SSR 19:74-81 '65. (MIRA 18:12)

AKEMETOV, Abdrashit Rakhimovich; KUZ'MIN-ZAKS, Mikhail Isayevich; RA-
KHIMOV, Al'ken Smagulovich; KOPYLOVA, L.P., red.; SHIKIN, B.T.,
tekhn. red.

[Trade unions of Soviet Kazakhstan] Profsoiuzy Sovetskogo Kaza-
khstana; kratkii istoricheskii ocherk. Moskva, Izd-vo VTsSPS
Profizdat, 1961. 174 p. (MIRA 14:10).
(Kazakhstan--Trade unions)

AKHMETOV, D.

On Akmolinsk virgin lands. Pozh. delo 4 no.1:7-8 Ja '58. (MIRA 11:1)

1. Nachal'nik Upravleniya vnutrennikh del (UVD) Akmolinskoy oblasti.
(Akmolinsk Province--Fire prevention)

L 09328-67 EWP(m)/EWT(1)

ACC NR: AF6030930

SOURCE CODE: UR/0207/66/000/004/0120/0123

AUTHOR: Alkhmetov, D. G. (Novosibirsk); Kisarov, O. P. (Novosibirsk)

ORG: none

TITLE: Hydrodynamic structure of a vortex ring

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 4, 1966, 120-123

TOPIC TAGS: vortex, shock generated vorticity, velocity measuring instrument, hydrodynamics, air flow

ABSTRACT: The authors investigated experimentally the structure of an air vortex ring by methods of thermoanemometry and high-speed motion picture photography. The air flow was produced by a piston moving in a cylindrical tube and striking a partition, and the vortex formation was produced by the nozzle placed on the free end of the cylinder. The shape of the nozzle was determined experimentally. The velocity field of the vortex rings was measured with two thermoanemometers located at fixed distances from the end of the tube (Fig. 1). The measurements yielded the velocity field, the streamline pattern, and the distribution of the velocity curl. The results confirmed the classical streamline pattern. It is shown that the velocity curl is localized almost entirely inside a central toroidal region called the core of the vortex ring, with the axes of the torus coinciding with the circular axis of the vortex. The velocity curl drops off rapidly from the center of the core with increasing distance from the center of the core. An analysis of the experimental results leads to the

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L 09328-67

ACC NR: AP6030930

conclusion that the vortex rings are nonstationary when the model of an ideal fluid is used. The authors thank V. K. Sheremetov and V. A. Kosinov for help with the work. Orig. art. has: 7 figures and 1 formula.

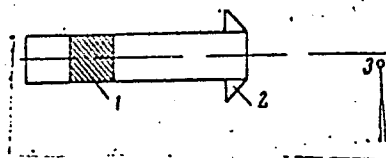


Fig. 1. Diagram of setup: 1 - Piston, 2 - nozzle, 3 - thermo-anemometer

SUB CODE: 20/ SUBM DATE: 19Jan66/ ORIG REF: 001/ OTH REF: 002

Card 2/2 mla

AKHMETOV, C.Sh.; DROBINSKIY, M.L.; MEKHAYLOV, A.M.; NIKOLAYEVA, V.N.

Structure of a high-chromium alloyed layer on steel
castings. Izv. vyz. ucheb. zap. shern. nat. S. 114-157-
157 '65. (MIRA 18:11)

1. Moskovskiy institut stali i splavov.

Z 50402-65 EWT(-)/EWA(d)/EWP(+)/EWP(-)/EWP(0) TTP(c) MTW/AD
A. ISSAAN N. M. 50402-65

A. M. ARKADYEV

TITLE: Surface alloying of steel castings

SOURCE: IVUZ. Chermaya metallurgiya, no. 7, 1965, 175-179

TOPIC TAGS: surface alloying, cast steel, chromium, ferrochrome, steel surface
hardening

ABSTRACT: The possible use of refractory materials (metallic chromium Kh2 with a
melting point of 1900°C) for surface alloying with a melting point of

ACCESSION NR: AP5018182

chromium, manganese, and iron along the grain boundaries. In some cases, separation of the insoluble glass

ASSOCIATION: Moskovskiy institut stal i splavov (Moscow Institute of Steel and Alloys)

SEARCHED: 23 Apr 65

SUP CODE: MN

2/2

Cord

AKHMETOV, I., delegat XII s"yezda profsoyuzov.

Improve the management of initial organizations. MTO no.5:51
My '59. (MIRA 12:8)

1.Chlen prezidiuma oblastnogo pravleniya nauchno-tekhnicheskogo
obshchestva legkoy promyshlennosti, Alma-Ata.
(Alma-Ata--Research, Industrial)

AKHMETOV, I.

Put the resolutions of the Twelfth Congress of Trade Unions of the
U.S.S.R. into practice! Kozh.-obuv. prom. no.8:38 Ag '59.

(MIRA 13:1)

(Alma-Ata Economic Region--Trade unions)

AKHMETOV, I.

Champions of socialist competitions. Tekst.prom. 20
no.2:98 F '60. (MIRA 13:6)

1. Predsedatel' Alma-Atinskogo oblastnogo komiteta profsoyuza
rabochikh tekstil'noy i legkoy promyshlennosti.
(Alma-Ata--Textile industry) (Trade unions)

AKHMETOV, I.A.

We put into practice the decisions of the Twelfth Congress of
Trade Unions. Tekst.prom. 19 no.8:56-57 Ag '59.
(MIRA 13:1)

1. Predsedatel' Alma-Atinskogo Oblastnogo komiteta profsoyusa
rabochikh tekstil'noy i legkoy promyshlennosti.
(Alma Ata Province--Textile industry)

AKHMETOV, I. G., Cand Tech Sci -- (diss) "Investigation of the cracking and coking factors for petroleum asphalt from a mixture of eastern sulfurous petroleums." Moscow, 1960. 17 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Ufim. Petroleum Inst, Moscow Order of Labor Red Banner Inst of Petroleum Chemical and Gas Industry im I. M. Gubkin); 200 copies; price not given; (KL, 25-60, 130)

AKHMETOV, I.G.; LEVINTER, M.Kh.

Contact tar cracking. Khim.i tekhn.topl.i masel 6 no.1:32-37 Ja
'61. (MIRA 14:1)
(Coal-tar products) (Cracking process)

AKHMETOV, I.G.; LEVINTER, M.Kh.; MOROZOV, B.F.

Calculating the material balance of light thermal cracking.
Nefteper. i neftekhim. no.5:12-17 '63. (MIRA 17:8)

1. Ufimskiy nauchno-issledovatel'skiy institut neftekhimicheskoy
promyshlennosti i Ufimskiy neftyanoy institut.

KULAKOV, V.N.; VARFOLOMEYEV, D.F.; BONDARENKO, M.F.; KOTOVA, V.N.;
AKHMETOV, I.G.; KOLYCHEV, V.M.; NOSAL', G.I.; KIVA, V.N.;
PANKRATOVA, M.F.; KRUGLOV, E.A.; SHMELEV, A.S.; SHABALIN, I.I.;
SHIRMUHAMETOV, O.A.; ISYANOV, I.Ya.; RATOVSKEYA, A.A.;
VAYSBERG, K.M.

Technology of the production of naphthalene from the refining
products of eastern oils. Nefteper. i neftekhim. no. 4:30-33
'64. (MIRA 17:5)

1. Nauchno-issledovatel'skiy institut neftekhimicheskikh
proizvodstv i ordena Lenina Ufimskiy neftepererabatyvayushchiy
zavod.

YAKOBI, G.A.; AKHMETOV, I.I., inzh.; PEROBRAZHENSKIY, V.V., inzh.

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 2. Institut khimii AN Kirg.SSR (for Kydynov).
 3. Kirgizskiy gosudarstvennyy universitet (for Bugubayev).
 4. Institut geologii AN Kirg.SSR (for Baybulatov).
 5. Institut vednogo khozyaystva i energetiki AN Kirg.SSR (for Filippov).
 6. Otdel fiziki i matematiki AN Kirg.SSR (for Mambetkunov, Imankulov).
 7. Institut zoologii i parazitologii AN Kirg.SSR (for Turmambetov).
 8. Kirgizskiy meditsinskiy institut (for Mukhamedziyev).
 9. Otdel pochvovedeniya AN Kirg.SSR (Ashirakhmanov).
 10. Institut botaniki AN Kirg.SSR (for Alyshbayev, Sultanaliyev, Akhmetov, Polonova, Nikitinskiy).
 11. Institut istorii AN Kirg.SSR (for Dzhambayev).
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Industrial automation and increasing labor productivity in the
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28(1), 18(1)

AUTHOR:

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SOV/119-58-11-5/15

TITLE:

Some Questions Relating to the Automatization of Production Processes in Refining Factories of the Nonferrous Metallurgical Works of Kazakhstan (Nekotoryye voprosy avtomatizatsii proizvodstvennykh protsessov na obogatitel'nykh fabrikakh tsvetnoy metallurgii Kazakhstana)

PERIODICAL:

Priborostroyeniye, 1958, Nr 11, pp 13-15 (USSR)

ABSTRACT:

The large flotation-enrichment factories are characteristic of the lead-zinc, copper, copper-nickel, and copper-molybdenum metallurgical plants of Kazakhstan. At present, the technological processes in connection with the production of the concentrate are far from being automatized. Thus, from 16 to 31 % of the entire personnel are at present required for the work of taking samples. This is all the more astonishing as the factories of Berezovskiy, Balkhash, and Mirgalimsay have well-functioning automatic sample-collectors in operation. No such device was set up in the enrichment-factory of Achisay in 1957. "Mekhanobr" developed an electric metal-detector in the course of recent years.

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SOV/119-58-11-5/15

Some Questions Relating to the Automatization of Production Processes in Refining Factories of the Nonferrous Metallurgical Works of Kazakhstan

As soon as a metal object is detected on the conveyer band, a warning signal is sounded. The object is removed by hand and the blocking of the band is lifted. Only two devices of this type are in operation, viz., at the enrichment factory of Zyryanovsk. In the Balkhash works the entire transport system of the crusher department is automatically switched on- and off. The relative production of this station was increased by 100 % during the last year. Conveying of material to the rock-crushing mills has been automatized only at the Tyrny-Auz works. The result was a 45 % saving of personnel. The automatic control of pulp density proved to be especially economical. A sum of 3 million Rubles was saved per annum at Balkhash. At other factories automatization has as yet not been introduced. At Balkhash work is at present being carried out for the purpose of automatizing the working of acidified copper ore (Professor Mostovich). The concentrate now contains 30-35 % copper as against 15-17 %, which was its former content. "Gintsvetmet" worked out a project for the complete automatization of a copper factory. The costs amount to 9,9

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